of the maximum gage heights have been secured from the U. S. Geological Survey. They are tabulated as follows:

River and station	Maximum stage previously known		Maximum stage during October	
	Stage	Date	Stage	Date
Mohawk River:				
Below Delta Dam	8.1	Mar. 9, 1935	11.2	2
Below Little Falls	17.2	Mar. 18, 1936	17.8	3
West Canada Creek:				
Below Hinckley Dam	8.9	Apr. 12, 1922	12.9	2
At Kast Bridge	7.3	June 21, 1922	8.1	2
East Canada Creek:				
At Dolgeville	11.8	Mar. 18, 1936	15.1	2

All of the previous records, however, have been established at U. S. Geological Survey gaging stations subsequent to 1913, and the flood of that year, as well as those of 1902, 1901, and the memorable one of 1869, is known to have been considerably in excess of this October 1945 flood. Records of the State Engineer show that in the 1913 flood the discharge at Little Falls was 32,400 c. f. s., while the measured flow at the crest of this last flood was 24,500 c. f. s.

There was some light overflow in a few of the headwater tributaries of the Susquehanna River during the first few days of the month. The streams along the South Atlantic Coast fell steadily from the high flood stages that were reached in late September.

Ohio Basin.—A general rise occurred in the Allegheny River early in October but flood stage was not reached except at Olean, N. Y., where bankfull stage was exceeded only slightly on the 3d. Moderate overflow occurred in the Wabash River Basin in Indiana during the first week of the month.

Arkansas Basin.—Considerable damage was reported in Kansas, Oklahoma, and Arkansas as a result of floods caused by heavy rains in this area during the last week of September. The streams crested during the first few days of October and receded rapidly thereafter. Crest stages were not unusually high but damage of approximately one million dollars, mostly to county roads and fences and to wheat crops, was reported in Kansas, and in Oklahoma it is estimated that damage amounted to approximately one and one-half millions of dollars. The spinach crop in Oklahoma suffered a loss estimated at 50 percent of the total crop, and considerable loss occurred to the corn crop in the Verdigris Basin.

West Gulf of Mexico drainage.—A rainy period from October 4–9 over the upper Trinity River watershed caused the East Fork of the Trinity River to overflow near Rockwall, Tex. At Carrollton, Tex., on the Elm Fork, and at Dallas, Tex., on the main stem of the Trinity, the streams barely reached flood stage. No damage of consequence resulted.

Pacific Slope drainage.—The following report of a flash flood near Tehachapi, Calif., was received from Mr. Edward E. Wilson, Weather Bureau Office, Bakersfield, Calif.:

A cloudburst near Tehachapi, Calif., on October 6, 1945, caused considerable local damage; 2.75 inches of rain fell at Tehachapi in 1½ hours. Rainfall intensity in nearby mountains was evidently greater.

A wall of water, estimated 8 feet high, swept down Tehachapi Canyon, killing three people and causing property damage estimated at $20,000. Property damage at Tehachapi is estimated at $30,000. Several hundred feet of railroad track at Keene and near Calente, Calif., was washed out at an estimated damage of $12,000, making a total estimated damage of $62,000. Transportation (both rail and highway) and communication lines were shut down for 24 hours.

The water, after being released into the valley from the narrow canyons, did no appreciable damage.

The Kings River at Piedra, Calif., was slightly above flood stage on October 30, but the water was diverted into canals and no damage resulted.

FLOOD STAGE REPORT FOR OCTOBER 1945

[All dates in October unless otherwise indicated]

River and station	Flood stage	Above flood stages—dates		Crest [1]	
		From—	To—	Stage	Date
ATLANTIC SLOPE DRAINAGE	*Feet*			*Feet*	
Tioughnioga: Whitney Point, N. Y.	12	2	3	12.2	2
Chenango: Sherburne, N. Y.	8	2	3	9.0	2
Susquehanna:					
Oneonta, N. Y.	12	2	4	13.2	2
		9	10	12.8	9
Vestal, N. Y.	14	3	3	14.1	3
Roanoke: Williamston, N. C.	10	Sept. 21	4	15.0	Sept. 26
Neuse:					
Goldsboro, N. C.	14	Sept. 18	2	26.7	Sept. 23
Kinston, N. C.	14	Sept. 20	5	22.4	Sept. 27
				8.8	Sept. 19
Waccamaw: Conway, S. C.	7	Sept. 17	9	11.2	Sept. 29–30
PeeDee: Mars Bluff Bridge, S. C.	17	Sept. 17	----------	31.3	Sept. 22
MISSISSIPPI SYSTEM					
Upper Mississippi Basin					
Rock: Moline, Ill.	10	2	4	10.1	2–4
Missouri Basin					
Osage: Bagnell Dam (Lakeside), Mo.	60	8	8	60.0	8
Ohio Basin					
Allegheny: Olean, N. Y.	10	3	3	10.2	3
West Fork:					
Anderson, Ind.	10	2	3	10.4	2
Elliston, Ind.	18	3	5	18.7	4
				15.3	Sept. 30
Edwardsport, Ind.	12	Sept. 28	9	17.0	6
White: Hazleton, Ind.	16	3	7	16.4	5
Wabash:					
Wabash, Ind.	12	1	3	15.1	2
Lafayette, Ind.	11	1	6	18.1	3
Covington, Ind.	16	2	8	20.2	5
Terre Haute, Ind.	14	4	9	15.4	7
Arkansas Basin					
Walnut: Winfield, Kans.	30	Sept. 28	2	35.0	Sept. 30
Verdigris:					
Independence, Kans.	36	Sept. 29	3	41.6	2
Claremore, Okla.	38	Sept. 27	9	47.0	4
Cottonwood:					
Cottonwood Falls, Kans.	9	Sept. 29	Sept. 29	12.0	Sept. 29
Emporia, Kans.	20	Sept. 29	3	25.2	1
Neosho:					
Neosho Rapids, Kans.	22	Sept. 29	3	24.6	2
Burlington, Kans.	27	Sept. 30	4	31.1	3
LeRoy, Kans.	23	Sept. 30	5	24.8	1, 4
Iola, Kans.	15	Sept. 29	6	18.0	1
Chanute, Kans.	20	Sept. 29	6	23.1	3
Parsons, Kans.	22	Sept. 30	6	24.5	2–4
Oswego, Kans.	17	Sept. 30	8	21.4	2
Arkansas:					
Arkansas City, Ark.	16	Sept. 28	1	19.7	Sept. 30
Ralston, Okla.	16	Sept. 29	3	19.4	2
Tulsa, Okla.	12	Sept. 29	4	16.7	1
				29.0	2
Webbers Falls, Okla.	23	Sept. 28	9	24.1	6
Fort Smith, Ark.	22	Sept. 28	10	28.8	3
Van Buren, Ark.	22	Sept. 28	11	29.4	3
Ozark, Ark.	22	1	6	25.8	3
Dardanelle, Ark.	22	Sept. 29	10	27.7	4
Morrillton, Ark.	20	2	7	21.6	4
Red Basin					
Little: Whitecliffs, Ark.	25	3	5	25.5	4
Lower Mississippi Basin					
St. Francis:					
Fisk, Mo.	20	24	28	21.6	26
St. Francis, Ark.	18	1	10	18.8	2–3
WEST GULF OF MEXICO DRAINAGE					
Elm Fork: Carrollton, Tex.	6	10	10	6.3	10
East Fork: Rockwall (near), Tex.	10	9	12	16.7	10
Trinity: Dallas, Tex.	28	11	11	28.4	11
PACIFIC SLOPE DRAINAGE					
San Joaquin Basin					
Kings: Piedra, Calif.	10	30	30	10.8	30

[1] Provisional.